

ADVANCE

A NOVA | GEORGE MASON PARTNERSHIP



A.A.S. Information Systems Technology /
 B.A.S. Technology and Innovation Concentration
Online Option Available
2026-2027

A.A.S. Information Systems Technology

ADVANCE Program Milestones

ADVANCE Milestone Requirements: All ADVANCE students must adhere to the following requirements. For Milestones #1-#3, failure to meet these milestones will prevent a student from matriculating to George Mason University and/or result in termination from ADVANCE. For Milestones #4-#7, failure to meet these milestones may delay matriculation to George Mason.

1. Students must graduate with the NOVA degree aligned with their ADVANCE academic pathway within 4 years of being admitted into ADVANCE. Students must ensure they are enrolled in the matching degree.
2. Students must maintain a minimum 2.5 cumulative GPA at NOVA and must have a minimum 2.5 GPA upon matriculation to George Mason.
3. Students who wish to enroll at George Mason for the fall semester must apply for NOVA spring graduation by March 1 or summer graduation by June 1. Students who wish to enroll at George Mason for the spring semester must apply for NOVA fall graduation by October 1.
4. Students must begin developmental coursework no later than the first semester in ADVANCE at NOVA.
5. Students must take first college-level MTH course and ENG 111 in the semester immediately following the completion of any MDE or EDE courses (excluding summer).
6. In the first 30 credits, students must complete ENG 111 and ENG 112 with a C or better.
7. Students must complete a college level math course with a C or better no later than one semester before NOVA graduation. Refer to your pathway to select the appropriate MTH course(s).

ADVANCE Program-Specific Requirements:

If English is not your first language or you have completed ESL coursework, you must complete ENG 111 and ENG 112 prior to matriculating to George Mason University to meet the English Language Proficiency requirement. Please reach out to ADVANCE Admissions early if you have any questions about this requirement: advance@gmu.edu.

BAS degrees are designed for adult learners who have some work experience in their field of choice, but the degree is open to students of all ages. Further, BAS degrees are often considered terminal degrees (i.e., they may not lead to advanced study in master's degree or doctoral programs). Students who are interested in advanced study are encouraged to contact graduate programs early to determine if the BAS program fits their requirements. To explore possible Bachelor's to Accelerated Master's (BAM) program options from the BAS degree at George Mason, visit: <https://bas.gmu.edu/academics/bam/>.

	NOVA DEGREE REQUIREMENT	Credits	Courses	GEORGE MASON TRANSFER EQUIVALENT	GEORGE MASON CORE/DEGREE EQUIVALENT
1	SDV 101	1	SDV 100 College Success Skills OR SDV 101 Orientation to Information Technology	UNIV 100	General Elective
2	ENG 111	3	ENG 111 College Composition I	ENGL XXX	General Elective
3	ITD 110	3	ITD 110 Web Design I	BAS XXX	General Elective
4	ITE 152	3	ITE 152 Introduction to Digital and Information Literacy and Computer Applications	IT 104	Info Tech & Prerequisite
5	ITN 100 or ITN 101	3	ITN 100 Intro to Telecommunications ¹ OR ITN 101 Introduction to Network Concepts ¹	See ITE 221	General Elective
6	MTH 154 or MTH 155	3	MTH 154 Quantitative Reasoning OR MTH 155 Statistical Reasoning	MATH 106 STAT 105T	Quantitative
7	ITE 170	3	ITE 170 Multimedia Software ²	IT 213	Major
8	ITN 170	3	ITN 170 Linux System Administration	IT XXX	General Elective
9	ITN 260	3	ITN 260 Network Security Basics ¹	See ITN 266	General Elective
10	ITP 100	3	ITP 100 Software Design	IT XXX	General Elective
11	Approved Elective	3	ENG 112 College Composition II ³	ENGL 101	Written Comm
12	IT Elective #1	3	IT Electives ⁴	BAS XXX	General Elective
13	ITD 256	3	ITD 256 Advanced Database Management ²	IT 214	Major
14	ITE 221	3	ITE 221 PC Hardware and OS Architecture ¹	IT 105 & IT XXX	Major

15	ITP Programming Elective	4	ITP 120 Java Programming I OR ITP 132 C++ Programming I OR ITP 150 Python Programming OR ITP 160 Introduction to Game Design & Development OR ITP 225 Web Scripting Languages OR ITP 270 Programming for Cybersecurity	IT XXX or GAME 210	Major
16	IT Elective #2	3	IT Electives ⁴	BAS XXX	General Elective
17	IT Elective #3	3	IT Electives ⁴	BAS XXX	General Elective
18	CST Course	3	CST 100 Principles of Public Speaking OR CST 110 Introduction to Human Communication	COMM 100 COMM 101	Oral Comm
19	IT Elective #4	3	ITN 266 Network Security Layers ¹	IT 223 & IT XXX	Major
20	Humanities/Fine Arts	3	ART 100 Art Appreciation OR ART 101 History of Art: Prehistoric to Gothic OR ART 102 History of Art: Renaissance to Modern OR CST 130 Introduction to Theatre OR CST 151 Film Appreciation I OR MUS 121 Music in Society	ARTH 101 ARTH 200 ARTH 201 THR 101 ENGH L372 MUSI 101	Arts
21	Social/Behavioral Sciences #1	3	HIS 101 Western Civilizations Pre-1600 CE OR HIS 102 Western Civilizations Post-1600 CE OR HIS 112 World Civilizations Post-1500 CE (<i>recommended</i>)	HIST 101T HIST 102T HIST 125	Global History
22	Social/Behavioral Sciences #2	3	ECO 201 Principles of Macroeconomics OR GEO 210 People and the Land: An Introduction to Cultural Geography OR HIS 121 United States History to 1877 OR PSY 200 Principles of Psychology OR PLS 135 U.S. Government and Politics OR SOC 200 Introduction to Sociology	ECON 104 GGS 103 HIST 121 PSYC 100 GOVT 103 SOCI 101	Soc/Behav
A.A.S. INFO. SYSTEMS TECH.					
DEGREE TOTAL		65			

For academic policies and procedures, please see NOVA catalog - <http://www.nvcc.edu/catalog/index.html>

B.A.S. Applied Science - Technology & Innovation Concentration

GEORGE MASON DEGREE REQUIREMENT	Credits	Course	GEORGE MASON CORE/DEGREE EQUIVALENT
23 Gen Ed: Written Communication (LL)	0-3	ENGH 101 Composition ³ (<i>if ENG 112 is not completed at NOVA</i>)	Written Comm
24 Concentration Requirements	3	IT 304 IT in the Global Economy	Major
25 Concentration Requirements	3	MGMT 303 Principles of Management	Major
26 Core Requirements	3	BAS 300 Building Professional Competencies	Major
27 Gen Ed: Literature	3	Approved Literature Course ⁵	Literature
28 Gen Ed: Natural Science (Lab)	4	Approved Natural Science with Lab ⁵	Nat Science
29 General Electives	3	Upper-level General Elective (See: Advisor)	General Elective
30 Gen Ed: Written Communication (Upper Level)	3	ENGH 302 Advanced Composition	Written Comm
31 Concentration Requirements	3	MBUS 300 Accounting in a Global Economy	Major
32 Concentration Requirements	3	MIS 303 Introduction to Business Information Systems	Major
33 Gen Ed: Natural Science (Non-Lab)	3	Approved Natural Science without Lab ⁵	Nat Science
34 General Electives	3	Upper-level Elective (See: Advisor)	General Elective
35 Concentration Requirements	3	IT 343 Project Management	Writing Intensive
36 Core Requirements	3	BAS 490 Introduction to Research Methods	Major

37	Concentration Requirements	3	MKTG 303 Principles of Marketing	Major
38	Concentration Requirements	3	MBUS 305 Introduction to International Business	Major
39	Gen Ed: Global Contexts	3	Approved Upper-level Global Contexts ⁵	Global Contexts
40	General Electives	3	Upper-level General Elective (See: Advisor)	General Elective
41	Core Requirements/Apex	3	BAS 491 Applied Sciences Capstone	Apex

B.A.S. APPLIED SCIENCE				
DEGREE TOTAL		120 - 123		

Please note: Some fully online courses may require a campus presence for orientations, tests, final exams, or labs.

Important Academic Information:

¹Students must take ITN 100 and ITE 221 or ITN 101 and ITE 221 in order to receive credit for IT 105. Students may need a substitution to fulfill the IT 105 credit. See Mason advisor as needed. Students must take ITN 260 and ITN 266 in order to receive credit for IT 223.

²Students with a conferred AAS degree and grades of C or higher in ITE 170 and ITD 256 will be granted substitutions for IT 213 and IT 214, respectively. These substitutions are available to BAS students only and will be processed by the BAS advisor upon matriculation to George Mason.

³Students should use the "Approved Elective" to complete ENG 112. If students matriculate without an ENGH 101 equivalent complete with a C or higher, ENGH 101 will be required in the first semester at George Mason.

⁴IT Electives must be met through any combination of IT courses (ITD, ITE, ITN, ITP) that are not already included in the degree.

⁵For approved Mason Core courses, please visit - <https://catalog.gmu.edu/mason-core/>.

Additional General Notes & Resources:

- If English is not your first language or you have completed ESL coursework, you must complete ENG 111 and ENG 112 prior to matriculating to George Mason University to meet the English Language Proficiency requirement.
- For more information about Accelerated Master's program options, visit: <https://catalog.gmu.edu/colleges-schools/interdisciplinary-programs-courses/applied-science-bas/#acceleratedmasterstext>. Students interested in an Accelerated Master's should consult their George Mason academic advisor in their first term after matriculation regarding program benefits, admission criteria, and application process.
- For academic policies and procedures, please see George Mason catalog - <https://catalog.gmu.edu/policies/>
- Students seeking a bachelor's degree must apply at least 45 credits of upper-level courses (numbered 300 or above) toward graduation.